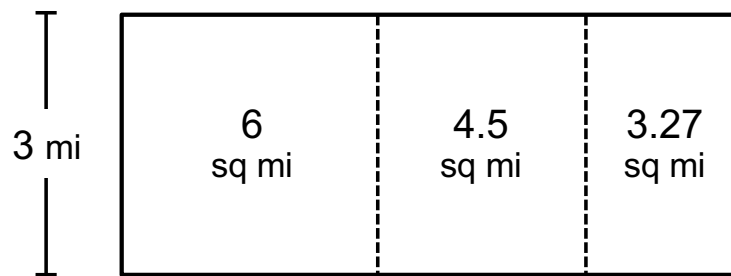


Seth's cornfield has 3 sections, as shown in the diagram below. The first is 6 square miles, the second is 4.5 square miles, and the third is 3.27 square miles. The length of the cornfield's short side is 3 miles.



What is the length of the cornfield's long side, in miles?